

## **Abstract**

The present invention relates to novel human glycosylation enzyme polypeptides and isolated nucleic acids containing the coding regions of the genes encoding such polypeptides. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human glycosylation enzyme polypeptides. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human glycosylation enzyme polypeptides.